

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v105)**

1. Expand the following expression into standard form.

$$(2x + 3)(2x - 3)$$

2. Expand the following expression into standard form.

$$(2x - 3)^2$$

3. Solve the equation.

$$(7x - 8)(9x + 5) = 0$$

4. Factor the expression.

$$x^2 - x - 56$$

5. Factor the expression.

$$81x^2 - 64$$

6. Solve the equation.

$$8x^2 - 19x - 26 = 3x^2 - 5x - 2$$

7. Expand the following expression into standard form.

$$(2x + 3)(8x + 9)$$

8. Solve the equation with factoring by grouping.

$$8x^2 + 10x + 12x + 15 = 0$$